BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUBDIVISION

WARD NO.07, Byatarayanapura

Name of Work:- Name of Work:- Improvements to roads & drains sanjeevininagara in ward no.07 Byataranapura.

Estimated Cost:- 75.00 Lakhs

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S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4.00	5.00	6.00	7.00	8.00	9.00	10
1	Removing and refixing stone slabs of drains and pointing in CM(1:3), Pg No.27, Item No.5.33								
	Covering slab								
	Cross Roads		2.00	382.00	0.75		573.00		
	Cross Roads		2.00	361.00	0.75		541.50		
	Cross Roads		2.00	378.00	0.75		567.00		
					TOTAL		1681.50		
	Deduct 40% damage slab						672.60		
					TOTAL		**1008.90**		
	Bs slab drain								
	Cross Roads		2.00	382.00	1.35		1031.40		
	Cross Roads		2.00	361.00	1.35		974.70		
	Cross Roads		2.00	378.00	1.35		1020.60		
					TOTAL		3026.70		
	only damage portion(40%)						1210.68		
					TOTAL		**2219.58**	111.30	247040.00
	Basic Rate:	sqm	**105.00**						
	Area Weightage @ 6%		6.30						
	Total		**111.30**						
2	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete.7.5 cm thick (Pg No.27, Item No.5.31.1)								
	For BS Slab drain(damage portion vide item no 1)						**1210.68**		
					TOTAL		**1210.68**	742.00	898324.56
	Basic Rate:	sqm	700.00						
	Area Weightage @ 6%		42.00						
	Total		742.00						
3	KSRB 5-14.1 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work.(Pg No.27, Item No.5.27.2)								
	For raising side walls of drain								
	Cross Roads		2.00	382.00	0.10		76.40		
	Cross Roads		2.00	361.00	0.10		72.20		
	Cross Roads		2.00	378.00	0.10		75.60		
					TOTAL		**224.20**	1010.18	226483.00
	Basic Rate:	Sqm	953.00						
	Area Weightage @ 6%		57.18						

	Total		1010.18						
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete10cms thick.(Pg No.27, Item No.5.31.2)								
	covering slab						**672.60**		
					TOTAL		**672.60**	966.72	650216.00
	Basic Rate:	cum	912.00						
	Area Weightage @ 6%		54.72						
	Total		966.72						
5	KSRB 5-8.1: Providing one line dressing to granite stone slabs/granite stone masonry as per specifications.KBS 5.1.13								
	Cross Roads		2.00	382.00	0.75		573.00		
	Cross Roads		2.00	361.00	0.75		541.50		
	Cross Roads		2.00	378.00	0.75		567.00		
					TOTAL		**1681.50**	950.82	1598804.00
	Basic Rate:	cum	897.00						
	Area Weightage @ 6%		53.82						
	Total		950.82						
6	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Pg No.140.Item No.18.47)								
	Basic Rate:	cum	**899.00**						
	Area Weightage @ 6%		53.94						
	Total		**952.94**						
	Cross Roads		1.00	92.00	4.50	0.30	124.20		
	Cross Roads		1.00	96.00	5.00	0.30	144.00		
	Cross Roads		1.00	102.00	5.50	0.30	168.30		
					TOTAL		**436.50**	952.94	**415959.00**
7	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. (Pg No.143.Item No.19.1)								
	Basic Rate:	cum	**130.00**						
	Area Weightage @ 6%		7.80						
	Total		**137.80**						
	Cross Roads		1.00	92.00	4.50	0.30	124.20		
	Cross Roads		1.00	96.00	5.00	0.30	144.00		
	Cross Roads		1.00	102.00	5.50	0.30	168.30		
	Over Burden		15	2.30	1.20	0.90	37.26		
					TOTAL		**473.76**	137.80	**65285.00**

8	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller)(P-147., It No: 19.60)								
	Basic Rate:	cum	325.00						
	Area Weightage @ 6%		19.50						
	Total		344.50						
	Cross Roads		1.00	92.00	4.50	0.30	124.20		
	Cross Roads		1.00	96.00	5.00	0.30	144.00		
	Cross Roads		1.00	102.00	5.50	0.30	168.30		
					TOTAL		**436.50**	344.50	**150375.00**
9	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . **(Pg.No.13, It.4.3)**								
	Basic Rate:	cum	5102.00						
	Area Weightage @ 6%		306.12						
	Total		5408.12						
	Cross Roads		1.00	92.00	4.50	0.15	62.10		
	Cross Roads		1.00	96.00	5.00	0.15	72.00		
	Cross Roads		1.00	102.00	5.50	0.15	84.15		
					TOTAL		**218.25**	5408.12	**1180323.00**
10	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular sla**bs **/side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)								
	Basic Rate:	Sqm	456.00						
	Area Weightage @ 6%		27.36						
	Total		483.36						
	SIDE								
	Cross Roads	1x2	2.00	92.00		0.10	18.40		
	Cross Roads	1x2	2.00	96.00		0.10	19.20		
	Cross Roads	1x2	2.00	102.00		0.10	20.40		
							58.00	483.36	**28035.00**

11	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavements using grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregate at 0.46 cum, coarse and fine aggregate confirming to IS:383-2016, with superplastisiser @3lts confirming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades textured machine, and curing including cost of all materials, labour, hire charges of machineries, all lead and lift charges etc.., complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) **(Pg.No.176, It.22.6.1)**								
	Basic Rate:	cum	4916.00						
	Area Weightage @ 6%		294.96						
	Total		5210.96						
	Cross Roads		1.00	92.00	4.50	0.10	41.40		
	Cross Roads		1.00	96.00	5.00	0.10	48.00		
	Cross Roads		1.00	102.00	5.50	0.10	56.10		
					TOTAL		**145.50**	5210.96	**758195.00**
12	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cst of generator, HOM of machinery screed vibaratory, power floater, blade and disc etc., with all leads and lift.**(Pg.No.176, It.22.7)**								
	Basic Rate:	sqm	68.00						
	Area Weightage @ 6%		4.08						
	Total		72.08						
	Cross Roads		1.00	92.00	4.50		414.00		
	Cross Roads		1.00	96.00	5.00		480.00		
	Cross Roads		1.00	102.00	5.50		561.00		
					TOTAL		**1455.00**	72.08	**104877.00**
13	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item No. 17.1)								
	Basic Rate	cum	**57.00**				**910.26**	94.34	**85874.00**
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX		**32.00**						
	Total		**89.00**						
	Add Area Weightage6%		**5.34**						
			94.34						
14							**Sub Total**		**6409790.56**

15				PMC 1.1.		~~Sub Total~~	6464700.68	64097.91
16				Add 12% GST charges			775764.08	769174.87
17				KRIDL CHARGES (3+1)%			258588.03	256391.62
18				Miscelleneous charges			947.21	545.04
19						Total	7500000.00	7500000=00

1)This is certified that the work spot comes under BBMP limits only.
2) The work spot is inspected by me
3) The items Provided in the Estimate are quite Essential
4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst.Engineer	Asst.Exe.Engineer	Executive Engineer
Ward no.7	Kodigehalli Sub-division	Byatrayanapura Division
	B.B.M.P.	B.B.M.P.

ADMINISTRATIVE APPROVAL
Accorded For Rs. 75100 Seventy Five Lakhs only
Head of A/c. P-3727, 1 SC-S P/TSP
Div. Ref. No. 78/19-20 Date 24-10-19
AE 27/10
EE(BTP) 24/10

Technical Sanction
Accorded For Rs 75 lakhs only
Head of A/C P3727
CER NO : 135 Dt: 28.10.2019
IA
CE (YNK)